

CLAIMS

1. New protective clothing, suitable as partial protection of the body against biological agents, manufactured by the lamination of a layer of polypropylene with a layer of polyethylene.
- 5 The clothing provides a very high level of protection against the penetration of liquids and microorganisms, excellent mechanical properties including tear and abrasion resistance, outstanding softness, drapeability and comfort.
- 10 2. New protective clothing as claimed in claim 1, characterized in that the clothing is overall, jacket and trousers.
- 15 3. New clothing for the partial protection of the body as claimed in claim 1, characterized in that the inner layer is a nonwoven polypropylene layer and the outer layer consists in a polyethylene film, the ratio in unit weight between polypropylene and polyethylene ranging from 70:30 to 50:50.
4. New clothing for the partial protection of the body as claimed in claim 1, characterized in that the inner layer is a nonwoven polypropylene layer and the outer layer consists in a polyethylene film, the ratio in unit weight between polypropylene and polyethylene ranging from 65:35 to 55:45.
- 20 5. New clothing for the partial protection of the body as claimed in claim 3, characterized in that the thickness of the material ranges between 270 and 340 microns and the unit weight ranges between 50 and 70 g/m².
6. New clothing for the partial protection of the body as claimed in claim

3, characterized in that the inner layer of nonwoven polypropylene has thickness ranging between 240 and 270 microns and unit weight ranging between 35 and 45 g/m² and the outer polyethylene film has a thickness ranging between 30 and 70 microns and unit weight ranging between 20
5 and 30 g/m².

7. New clothing for the partial protection of the body as claimed in claim 3, characterized in that the thickness of the material ranges between 285 and 315 microns and the unit weight ranges between 60.0 and 67.5 g/m².
8. New clothing for the partial protection of the body as claimed in claim
10 3, characterized in that the inner layer of nonwoven polypropylene has a thickness ranging between 245 and 255 microns and unit weight ranging between 37.5 and 40.0 g/m² and the outer polyethylene film has a thickness ranging between 40 and 60 microns and unit weight ranging between 22.5 and 27.5 g/m².
- 15 9. New clothing for the partial protection of the body as claimed in claim 1, wherein the joins are made by heat welding.
10. Overall as claimed in claim 2, equipped with rubber bands round the wrists, with protection of the neck and with four fastening means located in the rear, two in the inner side and two in the outer side.
- 20 11. Use of the partial body clothing as claimed in claim 1, as protective clothing against biological agents, that is microorganisms (bacteriae, parasites, fungi, viruses), including those which have been genetically modified, cell cultures and human endoparasites, which may be able to provoke any infection, allergy or toxicity.

12. Use as claimed in claim 11, characterized in that said biological agents are microorganisms that can be transmitted by blood and body fluids (HBV,HCV,HIV).
13. Use as claimed in claim 11, characterized in that said biological agents are the agents responsible for BSE and other TSE.
- 5 14. Use as claimed in claim 11, wherein the biological agent is the *Bacillus Anthracis*.

INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A62D5/00 A62B17/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A62D A62B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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X	EP 0 360 208 A (DU PONT) 28 March 1990 (1990-03-28)	1-14
Y	the whole document -----	1,11-14
Y	US 4 321 781 A (HALL ROLANDE E) 30 March 1982 (1982-03-30) the whole document -----	1,11-14
A	WO 93/24321 A (DU PONT) 9 December 1993 (1993-12-09) claims 1,2,7 ----- -/-	1

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/IT 03/00729

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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